

What is claim d is:

1. An automatic transmission apparatus for a vehicle comprising:

- 5 an operating inputting apparatus having a select lever for changing a range position of an automatic transmission; a power assisting apparatus adding an assisting force to an operating force input to the operating inputting apparatus so as to output to the automatic transmission;
- 10 a first transmitting means for transmitting the operating force from the operating inputting apparatus to the power assisting apparatus; and a second transmitting means for transmitting an output force from the power assisting apparatus to the automatic
- 15 transmission,
- wherein the operating inputting apparatus is provided in a vehicle body member near a steering wheel, and the power assisting apparatus is provided in a vehicle body member in the vicinity of the passenger's foot, and wherein the
- 20 operating inputting apparatus and the power assisting apparatus are arranged apart from one another.

2. The automatic transmission apparatus for a vehicle according to claim 1, wherein the power assisting apparatus is provided with an operating force detecting means for
- 25 detecting an operating force input to the operating inputting

apparatus, a position detecting means for detecting a rotation position of an output shaft outputting an assisting force in addition to the operation force to the automatic transmission, and a controller for stopping the output shaft
 5 at a stop position of the output shaft in correspondence to each of preset range positions of the automatic transmission.

3. The automatic transmission apparatus for a vehicle according to claim 1 or 2, wherein the operating force detecting means has a rotation shaft detecting the operating
 10 force transmitted by the first transmitting means as a rotational torque, and the output shaft is arranged on the same axis as the rotation shaft.

4. The automatic transmission apparatus for a vehicle according to claims 1 to 3, wherein the position detecting
 15 means is provided with a detector fixed to an output gear mounted to the output shaft, and a resistance substrate with which a contact point of the detector is brought into slidable contact, and a mounting portion of the detector mounted to the output gear is integrally formed by an
 20 insulative material.

5. The automatic transmission apparatus for a vehicle according to claims 1 to 4, wherein the operating inputting apparatus is provided in an instrument panel, and the power assisting apparatus is provided in a dash panel or a floor
 25 panel.